

Claim Amendments

Sub B1  
1 (original claim) An article of manufacture for the prevention of the increase of temperature in heat sensitive devices through the absorption of heat during heat generating conditions comprising:

bicarbonate salt in an amount sufficient to effect the required heat absorption; and means for supporting said bicarbonate salt, the physical characteristics of said means for supporting said sodium bicarbonate being defined by the heat absorbing application.

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2 (currently amended). The article of manufacture according to Claim 1, wherein the bicarbonate salt is selected from the group consisting of Lithium Bicarbonate, Sodium Bicarbonate, Potassium Bicarbonate, Magnesium Bicarbonate, Calcium Bicarbonate, ~~Beryllium~~ Beryllium Bicarbonate, Aluminum Bicarbonate, Ammonium Bicarbonate and the mixtures thereof.

3 (original claim). The article of manufacture according to Claim 1, wherein the means for supporting said bicarbonate salt further comprises a retaining matrix, packaging, encapsulation, microencapsulation, enclosure or structure to form a heat absorbing surface, device or structure.

4 (original claim). The article of manufacture according to Claim 1, wherein the heat sensitive device is embedded within the bicarbonate salt.

5 (original claim). The article of manufacture according to Claim 1, wherein the heat sensitive device is surrounded by the bicarbonate salt.

6 (original claim). The article of manufacture according to Claim 1, wherein the means for supporting said bicarbonate salt is a closed container, within which said bicarbonate salt is located.

7 (original claim). The article of manufacture according to Claim 6, wherein said bicarbonate salt lines the inner wall of the closed container.

8 (original claim). The article of manufacture according to Claim 7, wherein said heat sensitive device is located within and spaced from said bicarbonate salt.

9 (original claim). The article of manufacture according to Claim 1, wherein said bicarbonate salt is adhered to a flexible substrate, said substrate being adaptable to the size and shape of said heat sensitive device.

10 (original claim). The article of manufacture according to Claim 1, wherein the means for supporting said bicarbonate salt is the bicarbonate salt itself.

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